PCT/GB 02/00096 A. CLASSIFICATION OF SUBJECT MATTER 1PC 7 H0101/22 H0101/24 H04B7/10 H01Q9/04 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) H01Q H04B IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included. In the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category * 1-10,13 US 6 049 705 A (XUE HONGXI) 11 April 2000 (2000-04-11) Х column 4, line 45 -column 5, line 18; figures 3A,3B 1-10.13 PATENT ABSTRACTS OF JAPAN A. vol. 1999, no. 12, 29 October 1999 (1999-10-29) & JP 11 186947 A (UNIDEN CORP), 9 July 1999 (1999-07-09) abstract 1-10,13 EP 0 543 645 A (MOTOROLA INC) Α 26 May 1993 (1993-05-26) column 2, line 1 - line 41; figure 1 Patent family members are listed in annex. Further documents are listed in the continuation of box C. Special categories of cited documents: later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the International "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) occument of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the International search 23, 05.02 21 March 2002 Authorized officer Name and mailing address of the ISA

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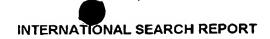
Johansson, R

INTERNATIONAL SEARCH REPORT

PCT/GB 02/00096

		PC1/4B 02/00090
C.(Continua	ntion) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 03, 30 March 2000 (2000-03-30) & JP 11 340885 A (CANON INC), 10 December 1999 (1999-12-10) abstract	1-10,13
A	US 5 138 328 A (HAMILTON ROBERT W ET AL) 11 August 1992 (1992-08-11) abstract; figures 2,3	1-10,13
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 13, 30 November 1998 (1998-11-30) & JP 10 209739 A (NEC CORP), 7 August 1998 (1998-08-07) abstract	1-10,13
A	US 4 803 491 A (HIKUMA HIDEO) 7 February 1989 (1989-02-07) abstract	1-10,13

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of Item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. X No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1-10, 13
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

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· INTERNATIONAL SEARCH REPORT

International Application No. PCT/GB 02/00096

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-10,13
Antenna arrangement

2. Claims: 11,12

Communication system

INTERNATIONAL SEARCH REPORT

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rujub	02/00090

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US 5138328	Α	11-08-1992	NONE		
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US 4803491	А	07-02-1989	JP JP JP AT DE DE EP	1631154 C 2055961 B 62262502 A 102401 T 3789161 D1 3789161 T2 0246026 A2	26-12-1991 28-11-1990 14-11-1987 15-03-1994 07-04-1994 30-06-1994 19-11-1987